Index of Claims

| App | lica | tion | /Cor | ntrol | No. |
|-----|------|------|------|-------|-----|
|-----|------|------|------|-------|-----|

10/719,785

Examiner

Melanie J. Hand

Applicant(s)/Patent under Reexamination

CARLIN, EDWARD PAUL

Art Unit

3761

Rejected Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| _ | Interference |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                   | <u> </u> | <u> </u> |  |  |  |          |  |          |          |     |           |          |              | _            | -  |              | l  |  | _  |
|-------------------|----------|----------|--|--|--|----------|--|----------|----------|-----|-----------|----------|--------------|--------------|--|--------------|--|--|----|
|                   | _        |          |  |  |  |          |  |          |          |     |           |          |              |              |  |              |  |  |    |
| Claim             | <u> </u> |          |  | [  | Date   |          |  | ,        |          | J   | Cla       | im_      |              |              |  | [            | Date   | <del>}</del> _                                   | ,— |
| Final<br>Original | 4/5/06   |          |  |  |  |          |  |          |          |     | Final     | Original |              |              |  |              |  |  |    |
| 1                 | 1        | ╁┈       |  |  |  |          |  |          |          |     |           | 51       | $\neg$       | $\neg$       | _  |              | _  | _  | ┢  |
| 2                 | 1        | 1        | H  | $\vdash$   |  |          | _  | _        | _        |     |           | 52       |              | $\neg$       |  |              |  | _  | ┢  |
| 3                 | H        | ╁╌       | $\vdash$   |  | $\vdash$   |          |  |          | _        |     |           | 53       |              | $\neg$       |  |              |  | <del> </del>                                     | ┢  |
| 4                 | H        | +        | $\vdash$   |  | $\vdash$   |          |  | _        | _        |     |           | 54       |              | $\dashv$     |  |              | $\vdash$   | -  | ⊢  |
| 5                 | ╫        | +        | -  | -  | <del>                                     </del> |          |  |          |          |     |           | 55       | $\vdash$     | _            | _  | _            | -  | -  | ⊢  |
| 6                 | ₩        | +        |  | -  | ⊢  |          | -  | H        |          |     |           | 56       |              | -            | -  |              | -  | -  | ┝  |
| 7                 | ₩        |          |  | ├─   | $\vdash$   | -        |  | _        |          |     |           | 57       |              |              |  |              |  | ⊢  | ├  |
|                   | ╫        | -        |  | $\vdash$   | $\vdash$   | $\vdash$ |  |          |          |     |           | 58       | -            |              |  |              | _  | ┢  | ⊢  |
| 8                 | ╫        | ╁        | ├-   | -  | _  | _        |  |          |          |     |           | 59       |              | _            |  | -            |  | -  | ⊢  |
|                   | ₩        | -        |  | <u> </u>   |  | _        | -  | _        |          |     |           |          |              | _            |  |              |  | ⊢  | ⊢  |
| 10                | ₩        |          | -  | -  | _  | _        | _  |          |          |     |           | 60       | -            |              |  |              |  | _  | ⊢  |
| 11                | 1        | Ļ_       | -  |  | <u> </u>   |          | -  |          |          |     |           | 61       |              | _            |  |              |  | ├  | ⊢  |
| 12                | ╀        | _        |  | _  | _  |          | <u> </u>   | _        |          |     |           | 62       |              |              |  |              |  | ⊢  | ┝  |
| 13                | -        | ╄        |  |  | _  |          |  |          |          |     |           | 63       |              |              |  |              | <u> </u>   | ⊢  | ⊢  |
| 14                | ╀-       | ↓_       |  |  |  |          |  |          |          |     |           | 64       |              |              |  |              | _  | ⊢  | ┞  |
| 15                | ـ        | ـــ      |  | _  |  | _        | L.   |          |          |     |           | 65       |              |              |  |              | _  | ┞  | L  |
| 16                | ╄        | _        | <u> </u>   |  | L.   |          | _  |          |          |     |           | 66       |              |              |  |              | _  | ╙  | ┡  |
| 17                | 1_       | <u> </u> | L  | <u> </u>   |  | _        |  |          |          |     |           | 67       |              |              |  |              |  | <u> </u>   | L  |
| 18                | <u> </u> | _        | L  | <u> </u>   |  |          |  |          |          |     |           | 68       |              |              |  |              |  | <u> </u>   | ļ  |
| 19                |          |          |  |  |  |          |  | <u> </u> |          |     |           | 69       |              |              |  |              | <u> </u>   | ļ  | L  |
| 20                |          |          |  | _  | _  |          | 匚  |          |          |     |           | 70       |              |              |  |              |  | L.   |    |
| 21                |          |          |  |  |  |          | L  |          |          |     |           | 71       |              |              |  |              | _  |  |    |
| 22                |          |          |  |  |  |          |  |          |          |     |           | 72       |              |              |  |              | <u> </u>   |  |    |
| 23                |          |          |  |  |  |          |  |          |          |     |           | 73       |              |              |  |              |  |  |    |
| 24                |          |          |  |  |  |          |  |          |          |     |           | 74       |              |              |  |              |  |  | ŀ  |
| 25                |          |          |  |  |  |          |  |          |          |     |           | 75       |              |              |  |              |  |  |    |
| 26                |          |          | Γ  | Γ  |  |          |  |          |          | ] : |           | 76       |              |              |  |              |  |  |    |
| 27                |          |          |  | Г  |  | Г        |  |          |          |     |           | 77       |              |              |  |              |  |  |    |
| 28                |          |          |  |  | Г  | Г        |  |          |          | 1   |           | 78       |              |              |  |              |  |  | П  |
| 29                | T        |          |  |  |  |          |  |          |          | 1   |           | 79       |              |              |  |              |  | Г  | Г  |
| 30                |          |          |  |  |  |          |  |          |          | 1   |           | 80       | Г            |              |  |              |  | Г  | Г  |
| 31                |          |          |  | Т  | Г  |          |  |          |          | 1   |           | 81       |              |              |  |              |  | Г  | Г  |
| 32                | T        |          |  |  |  |          |  |          |          | ĺ   |           | 82       |              |              |  |              |  | Г  | Г  |
| 33                |          |          |  |  | Г  |          |  |          |          | ĺ   |           | 83       |              |              |  |              |  |  | Γ  |
| 34                | ✝        | T        |  | П  | Г  | Π        | Г  | Г        |          | 1   |           | 84       |              |              |  |              |  |  | Γ  |
| 35                | T        |          |  |  | Г  |          |  |          |          | 1   |           | 85       |              |              |  |              |  | П  | П  |
| 36                | T        |          |  |  |  |          |  |          |          | 1   |           | 86       |              |              |  |              |  | Т  | ⇈  |
| 37                | $\top$   | 1        |  |  |  |          |  |          |          | 1   |           | 87       |              |              |  | Т            |  | Г  | T  |
| 38                | 1        | T        | <del>                                     </del> | Т  | ┢  |          | 一  | -        | _        | 1   |           | 88       |              |              | _  |              | t  | T  | T  |
| 39                | +        | t        | <u> </u>   | 1  | T  |          | T  | _        | Ι-       | 1   |           | 89       | m            |              | _  | ┰            | Т  | T  | T  |
| 40                | ✝        | +        |  |  | -  |          | <u> </u>   | Г        | _        | ĺ   |           | 90       |              | _            |  |              | $\vdash$   | ✝  | T  |
| 41                | +-       | +-       | İ  | T  | t  |          | $\vdash$   | ├─       | ┪        | 1   |           | 91       |              |              | <u> </u>   |              | <u> </u>   | T  | t  |
| 42                | +        | $\vdash$ | ┢  |  | ╁┈   |          | H  | Н        | ┢        | 1   |           | 92       | _            | _            |  | _            | t  | T  | ✝  |
| 43                | +        | T        | T  | T  | $\vdash$   | t        | $\vdash$   | $\vdash$ |          | 1   |           | 93       | Т            |              |  | Г            | ├  | T  | T  |
| 44                | +        | t        | T  | 1  | T  | Н        | $\vdash$   | Т        |          | 1   | <u> </u>  | 94       |              | $\vdash$     |  | 1            | <del>                                     </del> | 1  | t  |
| 45                | +        | +        | +  | 1  |  | $\vdash$ | <del> </del>                                     | $\vdash$ |          | 1   | <b></b>   | 95       |              | $\vdash$     | <del>                                     </del> | 一            | †  | <del>                                     </del> | T  |
| 46                | ╁        | +        | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$   | T        |          | 1   |           | 96       | Η-           | $\vdash$     | $\vdash$   | <del> </del> | $t^{-}$  | T  | t  |
| 47                | +        | +        | T  | $\vdash$   | $\vdash$   | $\vdash$ | T  | 1        |          | 1   | <b></b> - | 97       | $\vdash$     | $\vdash$     | t  | 1            | ✝  | $t^{-}$  | +  |
| 48                | +-       | +        | ╁  | t  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | 1   | $\vdash$  | 98       | $\vdash$     | <del> </del> | $\vdash$   | $\vdash$     | 1  | +  | +  |
| 49                | +        | 1        | $\vdash$   | t  | t  | $\vdash$ | <del>                                     </del> | t -      | $\vdash$ | 1   |           | 99       | <del> </del> | <del> </del> | <del>  -  </del>                                 |              | +  | +  | 十  |
| 50                | +        | +        | $\vdash$   | 1  | +  | ┼─       | 1  | $\vdash$ | $\vdash$ | 1   |           | 100      | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$     | +-   | +  | 十  |
|                   |          | ٠        | ٠  | 1  | L  |          | ı  |          | Щ        | J   | L         | 1 100    | Ц            | Ц            | <u> </u>   | Щ            | 1_   | 1  | 1_ |

| Cla          | Date           |  |  |  |  |  |  |  |  |  |  |
|--------------|----------------|--|--|--|--|--|--|--|--|--|--|
|              |                |  |  |  |  |  |  |  |  |  |  |
| a l          | Original       |  |  |  |  |  |  |  |  |  |  |
| Final        | ij             |  |  |  |  | ļ  |  |  | - 1  |  |  |
| -            | ō              |  |  |  |  |  |  |  |  |  |  |
| <b>-</b>     | E 1            |  | _  |  | _  | -  |  |  |  |  |  |
| <del></del>  | 51<br>52       | _  | _  |  |  |  |  |  | _  |  |  |
|              | 52             | _  | _  |  |  |  |  | _  | _  |  |  |
|              | 53             | _  |  |  |  |  |  | _  | _  |  |  |
|              | 54<br>55       |  | _  |  |  |  |  | _  | _  |  |  |
|              | 55             |  |  |  | _  |  |  |  |  | $\Box$   |  |
|              | 56             |  |  |  |  |  |  |  | $\Box$   |  |  |
| L            | 57             |  |  |  |  |  |  |  |  |  |  |
|              | 58             |  |  |  |  |  |  |  |  |  |  |
|              | 59             |  |  |  | ,  |  |  |  |  |  |  |
|              | 60             |  |  |  |  |  |  |  |  |  |  |
|              | 61             |  |  |  |  |  |  |  |  |  |  |
| ,            | 62             |  |  |  |  |  |  |  |  |  |  |
|              | 63             |  |  |  |  |  |  |  |  |  |  |
|              | 64             |  | Г  |  |  |  |  |  |  |  |  |
|              | 65             | T-   | П  |  |  |  |  |  |  |  |  |
|              | 66             | $\vdash$   |  |  |  |  |  |  |  |  |  |
|              | 67             | _  |  |  |  |  |  |  |  |  |  |
|              | 68             |  |  |  |  |  |  |  |  |  |  |
|              | 69             | -  |  |  |  |  |  |  |  | _  |  |
|              | 70             |  |  | _  |  |  |  |  |  |  |  |
|              | 71             |  |  | $\vdash$   |  |  |  |  |  |  |  |
|              | 72             |  |  | H  | _  |  |  |  |  |  |  |
|              | 73             |  | _  | $\vdash$   | Н  | Н  |  |  |  |  |  |
|              | 74             | $\vdash$   | -  | -  |  |  |  | F  |  |  |  |
|              | 73<br>74<br>75 | $\vdash$   | $\vdash$   | $\vdash$   | -  | <del>                                     </del> |  | _  |  |  |  |
|              | 76             |  | $\vdash$   |  | $\vdash$   | $\vdash$   | -  |  |  |  |  |
|              | 76<br>77       | ┢  | _  |  | $\vdash$   | $\vdash$   | $\vdash$   |  |  |  |  |
|              | 78             | ┢  | -  | -  |  | $\vdash$   | $\vdash$   |  |  | _  |  |
|              | 79             |  | _  | -  |  |  |  |  |  | Н  |  |
|              | 80             | -  |  | _  | _  | $\vdash$   | $\vdash$   |  |  | $\vdash$   |  |
|              | 81             | $\vdash$   | -  | _  | -  |  |  |  |  | ┢  |  |
| <b>—</b>     | 82             |  |  | -  | _  | _  |  | _  |  |  |  |
|              | 83             |  | <del>                                     </del> | -  |  |  | -  | $\vdash$   |  | $\vdash$   |  |
|              | 84             | -  | -  | -  |  |  |  | ┢  |  | $\vdash$   |  |
| -            | 84<br>85       |  | ╁  | $\vdash$   |  |  |  | $\vdash$   |  | -  |  |
| <b>—</b>     | 86             | +-   | t  | $\vdash$   | $\vdash$   | -  | $\vdash$   | $\vdash$   | _  | <del> </del>                                     |  |
| $\vdash$     | 87             | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   |  | <del>                                     </del> | <del>                                     </del> |  |
| $\vdash$     | 88             |  | -  | _  | <del>                                     </del> |  | <del>                                     </del> | <del> </del>                                     | $\vdash$   |  |  |
| $\vdash$     | 89             | $\vdash$   |  |  | ┰  | -  | $\vdash$   | <del> </del>                                     | $\vdash$   | $\vdash$   |  |
| <b>—</b>     | 90             | <del>                                     </del> | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$   | -  |  |  |
| $\vdash$     | 91             | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -  | $\vdash$   | <del>                                     </del> |  |
| <del> </del> | 92             | <del> </del>                                     | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> |  |
| _            | 93             | $\vdash$   | Η  | $\vdash$   | $\vdash$   | ┢  | <del>                                     </del> | <del> </del>                                     | ├  |  |  |
| <u> </u>     | 94             | <del>                                     </del> |  |  | $\vdash$   | $\vdash$   | 1  | $\vdash$   | $\vdash$   | $\vdash$   |  |
|              | 95             | $\vdash$   | $\vdash$   | -  | $\vdash$   |  | +-   | ╁  | -  | <del>  -</del>                                   |  |
| $\vdash$     | 96             | +-   | $\vdash$   | ┢  |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -  |  |
| -            | 97             | $\vdash$   | $\vdash$   | t  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | <del> </del>                                     |  |
| $\vdash$     | 98             | ╁  | ├  | $\vdash$   | $\vdash$   | ┢  | $\vdash$   | <del>                                     </del> |  | -  |  |
|              | 99             | +-   | ┼  | ┼  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   |  |
| <b>——</b>    | 100            | t  |  | $\vdash$   | $\vdash$   | †  | $\vdash$   | $\vdash$   | <del> </del>                                     | <del>                                     </del> |  |

| Claim    |   | Date         |              |          |          |          |          |            |  |          |  |  |
|----------|---|--------------|--------------|----------|----------|----------|----------|------------|--|----------|--|--|
| Final    | Original  |              |              |          |          |          |          |            |  |          |  |  |
|          | 101   |              |              |          |          |          |          |            |  | $\neg$   |  |  |
|          | 101<br>102  |              |              |          |          |          |          |            |  |          |  |  |
|          | 103   |              |              |          |          |          |          |            |  |          |  |  |
|          | 104<br>105  |              |              | L        |          |          |          |            |  |          |  |  |
|          | 105   |              | <u> </u>     | <u> </u> |          |          |          |            |  |          |  |  |
|          | 106   |              |              | _        |          |          |          |            |  | Щ        |  |  |
|          | 107   |              | _            |          |          | _        |          |            |  | Щ        |  |  |
|          | 107<br>108<br>109   |              | <u> </u>     | <u> </u> | _        |          | _        |            |  | Н        |  |  |
|          | 109   |              | <u> </u>     | <u> </u> | _        | _        |          | _          |  | $\dashv$ |  |  |
|          | 110   | _            | _            |          | -        |          |          |            | _  | $\dashv$ |  |  |
|          | 111   |              | ⊢            | -        | -        | -        |          |            | -  | -        |  |  |
|          | 112<br>113<br>114   |              | -            | ├        |          | -        | -        | -          | -  | $\vdash$ |  |  |
|          | 114   | -            |              |          | $\vdash$ | $\vdash$ | H        | -          |  | $\vdash$ |  |  |
|          | 115   | <del> </del> | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | -        | -          | -  | $\dashv$ |  |  |
|          | 115<br>116  | $\vdash$     |              |          | $\vdash$ | $\vdash$ | -        | ┝          | -  | $\dashv$ |  |  |
|          | 117   |              |              |          | ┢        | $\vdash$ |          | Н          |  |          |  |  |
|          | 118   |              |              | T        |          | $\vdash$ |          | $\vdash$   | _  | $\dashv$ |  |  |
|          | 118<br>119  | $\vdash$     | $\vdash$     |          |          | $\vdash$ | _        |            | $\vdash$   |          |  |  |
|          | 120   | $\vdash$     | Т            |          |          |          |          |            |  |          |  |  |
|          | 121   |              | Τ            |          |          |          | Г        |            |  |          |  |  |
|          | 122   |              |              |          |          |          |          |            |  |          |  |  |
|          | 123   | -            |              |          |          |          |          |            |  |          |  |  |
|          | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 |              |              |          |          |          |          |            |  |          |  |  |
|          | 125   |              |              |          | L        |          | L        | L          |  |          |  |  |
|          | 126   |              | L            |          |          | L        |          | _          | _  |          |  |  |
|          | 127   |              |              |          |          |          |          |            |  | L        |  |  |
|          | 128   | <u> </u>     | L            |          | <u> </u> | ļ        |          |            |  | <u> </u> |  |  |
|          | 129   | <u> </u>     | ļ            |          | ļ        |          |          |            | _  | Ш        |  |  |
|          | 129<br>130<br>131<br>132                                    | ı.           | ļ            |          |          |          | _        | _          | <u> </u>   | Ш        |  |  |
|          | 131   | <u> </u>     |              | <u> </u> |          | -        | _        | _          |  | Н        |  |  |
|          | 133   | <u> </u>     |              | ļ        |          |          |          | -          |  | Н        |  |  |
|          | 133   | -            | <del> </del> | ⊢        |          | ŀ        | -        | ⊢          |  | Н        |  |  |
|          | 134<br>135  | ├            | ⊢            | ⊢        | -        | -        | $\vdash$ | ┝          | -  | -        |  |  |
|          | 136   |              | ⊢            | -        | ╁        |          | ┝        | $\vdash$   | -  | Н        |  |  |
|          | 137   | -            | ╁            | ┢        | ╁        | ╁        | $\vdash$ | ╁          | 1-   | Н        |  |  |
|          | 137<br>138<br>139   | <del> </del> | ┢            | $\vdash$ | $\vdash$ | ┢        | $\vdash$ | -          | <del>                                     </del> | Н        |  |  |
|          | 139   | $\vdash$     | t            | t        | t        | $\vdash$ | Т        | ┪          | <del>                                     </del> | Н        |  |  |
|          | 140   |              |              | $\vdash$ | $\vdash$ | Г        | İΤ       |            | _  |          |  |  |
|          | 141   |              | T            | <u> </u> | T        | T        |          | _          | T  |          |  |  |
|          | 142   | $\Box$       | 1            |          |          |          | Π        |            | Т  |          |  |  |
|          | 143   |              |              |          |          |          |          |            |  |          |  |  |
|          | 144   |              |              |          |          |          |          |            |  |          |  |  |
|          | 145   |              |              |          |          |          |          |            |  |          |  |  |
|          | 146   |              |              | 匚        |          | oxdot    |          |            |  |          |  |  |
|          | 147   |              | <u> </u>     | 1_       | <u> </u> | <u> </u> | <u> </u> | <u> </u>   | <u> </u>   | Ш        |  |  |
|          | 148   | $oxed{oxed}$ | 1_           | <u> </u> | <u> </u> | ↓_       | <u> </u> | <b> </b> _ | _  | L_       |  |  |
| ļ        | 149   | _            | ـ            | 1_       | <u> </u> | ـ        | 1        | _          | ـ  | <b>├</b> |  |  |
| <u> </u> | 150   | <u> </u>     | <u> </u>     | <u>L</u> | <u></u>  | <u>L</u> | <u>L</u> | <u> </u>   | <u></u>  | <u></u>  |  |  |
|          |   |              |              |          |          |          |          |            |  |          |  |  |